Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

- 1-15. (Canceled)
- 16. (Currently amended) A method for inhibiting polymerization during at least one of manufacture, purification, handling and storage of a subject ethylenically unsaturated monomer, the method comprising the steps of:

introducing the monomer into apparatus for at least one of the manufacture, purification, handling and storage of the monomer, at least a portion of the apparatus in contact with the monomer comprising a metal containing sufficient copper to inhibit, in the presence of a gas containing oxygen, polymerization of the monomer within the apparatus, wherein the metal comprises at least about 10% copper; and

providing a gas containing oxygen in the interior of the apparatus containing the monomer:

thereby inhibiting polymerization of the monomer in the apparatus.

- 17. (Original) The method of Claim 16, wherein the ethylenically unsaturated monomer is selected from the group consisting of acrylic acid, an alpha alkyl acrylic acid, an alpha alkyl acrylic ester, a beta alkyl acrylic acid, a beta alkyl acrylic ester, methacrylic acid, an ester of acrylic acid other than methyl acrylate and 2-ethylhexyl acrylate, an ester of methacrylic acid, vinyl acetate, a vinyl ester, a polyunsaturated carboxylic acid, a polyunsaturated ester, maleic acid, a maleic ester, maleic anhydride, and acetoxystyrene.
- 18. (Original) The method of Claim 17, wherein the alkyl group is a straight chain or branched alkyl group having 1 to 8 carbon atoms.
- 19. (Original) The method of Claim 18, wherein the alkyl group is a straight chain or branched alkyl group having 1 to 4 carbon atoms.
- 20. (Original) The method of Claim 16 wherein the ethylenically unsaturated monomer is acrylic acid.

- 21. (Original) The method of Claim 16 wherein the ethylenically unsaturated monomer is ethyl acrylate.
- **22.** (Original) The method of Claim **16** wherein the ethylenically unsaturated monomer is butyl acrylate.
 - 23. (Canceled)
- **24.** (Original) The method of Claim **23**, wherein the metal is an alloy comprising about 25% to about 75% copper.
- **25.** (Original) The method of Claim **24**, wherein the alloy contains about 30% to about 50% copper.
- **26.** (Original) The method of Claim **23**, wherein the metal comprises copper and nickel.
- 27. (Original) The method of Claim 23, wherein the metal comprises copper and zinc.
- 28. (Original) The method of Claim 23, wherein the metal comprises copper and tin.
- 29. (Original) The method of Claim 16 wherein the apparatus is selected from the group consisting of distillation equipment, a distillation internal component, flame arrestor equipment, extraction tower equipment, absorption equipment, adsorption equipment, heat exchange equipment, piping, a fitting, valving, a pump and a container.
- 30. (Original) The method of Claim 16, wherein the apparatus is distillation equipment and the portion of the apparatus is packing.
- 31. (Original) The method of Claim 16, wherein the apparatus is a distillation column.
- 32. (Original) The method of Claim 31, wherein the oxygen-containing gas is provided through an inlet for the oxygen-containing gas at a lower portion of the distillation column.
- 33. (Original) The method of Claim 16, wherein the apparatus is a distillation column and the portion comprises trays for the distillation column.

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- 34. (Original) The method of Claim 16, wherein the oxygen-containing gas is provided through an inlet for the oxygen-containing gas at a lower portion of the apparatus.
- 35. (Original) The method of Claim 16, wherein the oxygen-containing gas is air.
- 36. (Original) The method of Claim 16, wherein the oxygen-containing gas contains at least about 5 volume % oxygen.